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By: *Aaron Hokamura*  
Aaron Hokamura

PATENT  
Attorney Docket No. 082368-004800US  
Client Reference No.: E1-A0204P-US

**Rec'd PCT/PTO-13 FEB 2006**  
**10/539534**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re application of:

Kazuaki UMEDA et al.

Application No.: 10/539,534

Int'l Application No.: PCT/JP03/16549

Int'l Filing Date: December 24, 2003

For: HIGHLY EFFICIENT GENE  
TARGETING VECTORS AND  
METHODS FOR GENE TARGETING  
IN EPITHELIAL CELL LINES

Examiner:

Art Unit:

INFORMATION DISCLOSURE  
STATEMENT UNDER 37 CFR §1.97 and  
§1.98

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Sir:

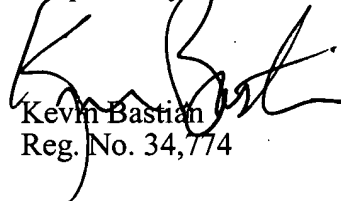
The references cited on attached form PTO/SB/08A and PTO/SB/08B are being called to the attention of the Examiner. Copies of references AA, AB, AD, AE and AG are enclosed. Copies of references AC and AF are not enclosed since they were cited in an International Search Report in a corresponding application, and, as such, should have been provided directly by the WIPO under the exchange program between the USPTO, the EPO and the JPO. References AB and AD were also cited in the International Search Report. A copy of the Search Report is enclosed.

It is respectfully requested that the cited references be expressly considered during the prosecution of this application, and the references be made of record therein and appear among the "references cited" on any patent to issue therefrom.

As provided for by 37 CFR §1.97(g) and (h), no inference should be made that the information and references cited are prior art merely because they are in this statement and no representation is being made that a search has been conducted or that this statement encompasses all the possible relevant information.

Applicant believes that no fee is required for submission of this statement. However, if a fee is required, the Commissioner is authorized to deduct such fee from the undersigned's Deposit Account No. 20-1430. Please deduct any additional fees from, or credit any overpayment to, the above-noted Deposit Account.

Respectfully submitted,

  
Kevin Bastian  
Reg. No. 34,774

TOWNSEND and TOWNSEND and CREW LLP  
Two Embarcadero Center, Eighth Floor  
San Francisco, California 94111-3834  
Tel: 415-576-0200  
Fax: 415-576-0300  
KLB:ath  
60701315 v1

Substitute for form 1449A&B/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use as many sheets as necessary)				<b>Complete if Known</b>	
				Application Number	10/539,534
				Int'l Filing Date	December 24, 2003
				First Named Inventor	Umeda, Kazuaki
				Art Unit	
				Examiner Name	
Sheet	1	of	1	Attorney Docket Number	082368-004800US

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number Number Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear

FOREIGN PATENT DOCUMENTS								
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)				

NON PATENT LITERATURE DOCUMENTS					
Examiner Initials *	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.			T <sup>2</sup>
	AA	HASTY, Paul <i>et al.</i> ; "Gene targeting, principles, and practice in mammalian cells"; <u>Gene Targeting: A practical Approach, 2nd Edition</u> (Alexandra L. Joyner, ed.); 2000; pp. 1-35; Oxford University Press			<input type="checkbox"/>
	AB	ITOH, Masahiko <i>et al.</i> ; "The 220-kD Protein Colocalizing with Cadherins in Non-Epithelial Cells Is Identical to ZO-1, a Tight Junction-associated Protein in Epithelial Cells: cDNA Cloning and Immunoelectron Microscopy"; <u>The Journal of Cell Biology</u> ; May 1993; pp. 491-502; Vol. 121, No. 3.			<input type="checkbox"/>
	AC	MONTROSE-RAFIZADEH, C. <i>et al.</i> ; "Gene targeting of a CFTR allele in HT29 human epithelial cells"; <u>J. Cell. Physiol.</u> ; March 1997; pp. 299-308; Vol. 170, No. 3			<input type="checkbox"/>
	AD	SAITOH, Mitinori <i>et al.</i> ; "Occludin-deficient Embryonic Stem Cells Can Differentiate into Polarized epithelial Cells Bearing Tight Junctions"; <u>The Journal of Cell Biology</u> ; April 20, 1998; pp. 397-408; Vol. 141, No. 2.			<input type="checkbox"/>
	AE	SEDIVY, John M. and Annie Dutriaux; "Gene targeting and somatic genetics: a rebirth or a coming of age?"; <u>Trends in Genetics</u> ; March 1999; pp. 88-90; Vol. 15, No. 3			<input type="checkbox"/>
	AF	UEDA, K. <i>et al.</i> ; "Establishment and characterization of ZO-1-deficient F9 cells"; <u>Cell Structure and Function</u> ; 2003; p. 329 1P-61; Vol. 17			<input type="checkbox"/>
	AG	GENBANK Accession Number NM_009386; "Mus musculus tight junction protein 1 (Tjp1), mRNA"; September 25, 2005 www.ncbi.nlm.nih.gov/entrez Accessed on: October 3, 2005			<input type="checkbox"/>

Examiner Signature		Date Considered	
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.